Reports
WV Senate Problem

Topics

- Create a report using the Report tool
- Modify report fields
- Create a report using the Report Wizard

Background Information

This project includes information on West Virginia Senate elections from 2000 to 2014.

Instructions

IMPORTANT: This assignment requires the Windows version of Microsoft Office.

IMPORTANT: Complete the steps below in the order they are given. Completing the steps out of order may complicate the assignment or result in an incorrect result.

1. Download and extract the provided Data Files ZIP file. It contains the following file for use in this assignment:

   a. **senate_ppr_wvsp.accdb** – Information on West Virginia Senate elections [1]–[5].

Table: *Candidates*		
Field Name	**Type**	**Description**
CandidateID	AutoNumber	Primary. Unique identifier for the candidate.
District	Number	Number of State Senate district.
Year	Number	Year of election.
PartyAbbrv	Short Text	Political party abbreviation.
CandidateFirst	Short Text	First name of candidate.
CandidateLast	Short Text	Last name of candidate.
Raised	Currency	Amount of funds raised by candidate.
VotesReceived	Number	Votes received by candidate.

Table: *Districts*		
Field Name	**Type**	**Description**
RedistrictingCycle	Number	Part of composite key. Census data year used for redistricting.
District	Number	Part of composite key. Number of State Senate district.
Counties	Short Text	List of counties or parts of counties in the district.
Population	Number	Population of district.

Table: *Elections*

Field Name	Type	Description
District	Number	Part of composite key. Number of State Senate district.
Year	Number	Part of composite key. Year of election.
RedistrictingCycle	Number	Redistricting cycle this election used.
IncumbentFirstName	Short Text	First name of incumbent.
IncumbentLastName	Short Text	Last name of incumbent.
IncumbentRetired	Yes/No	Indication if the incumbent was not running.
WinnerFirstName	Short Text	First name of the winner.
WinnerLastName	Short Text	Last name of the winner.
WinnerPctg	Number	Percentage of the total vote received by the winner.

Table: *Parties*

Field Name	Type	Description
PartyAbbrv	Short Text	Primary key. Abbreviation of party name.
PartyName	Short Text	Full text of political party name.

Table: *AnalysisQuestions*

Field Name	Type	Description
QuestionNumber	Short Text	Primary key. Question being answered.
Response	Long Text	Response to the analysis question prompt.

2. Open the **senate_ppr_wvsp.accdb** database in Microsoft Access.

Create a report using the Report tool

3. We wish to create a report to display information on candidates fielded by each party in elections.

   a. Using the Report tool, create a new report based on the *Query5A* query. Name the report *CandidatesFieldedSummary*.

Modify report fields

   b. Change the column titles as necessary to use descriptive English words rather than the database column names.

   c. Resize the field widths and heights as necessary so that all fields are visible on a single printed page. Ensure that no text is cut-off when the fields are resized.

Create a report using the Report Wizard

4. We wish to create a report to list each self-funded candidate's success.

    a. Using the Report Wizard, create a report to show the results of the *Query4C* query. Display all fields from the query.

        View by parties and sort by the candidate's last name and then by the candidate's first name, both in ascending order. Use a stepped layout and landscape page orientation. Name the report *SelfFundedCandidates.*

        Ensure the full widths of all columns are visible on the report.

5. In the *AnalysisQuestions* table, answer the analysis question below. Respond to one question per record.

    c. Self-funded candidates, those who do not receive any outside donations for their campaigns, generally fall into two categories. What do you think these categories might be?

        HINT: Consider the number of votes these candidates received.

6. Run the Compact and Repair Database utility on your database. Ignore any errors you receive when running the utility.

Grading Rubric

This assignment is worth 8 points. It will be graded by your instructor using this rubric:

Standard	Meets Requirements (8 points)	Does Not Meet Requirements (0 points)
Student made reasonable effort in correctly completing assignment.	Assignment is at least 70% complete and correct, or student contacted instructor for help on incorrect or incomplete items.	Assignment is less than 70% complete and correct, and student did not contact instructor for assistance on incorrect or incomplete items.

This rubric will be used for peer evaluation of this assignment:

Standard	Excellent	Satisfactory	Needs Improvement
Assignment is correct and complete.	Assignment is at least 90% complete and correct.	Assignment is 70%-89% complete and correct.	Assignment is less than 70% complete and correct.

The analysis question in Step 5c will be evaluated using this rubric:

Standard	Meets Requirements	Does Not Meet Requirements
Answer is reasonable.	Answer addresses the question prompt and is factually correct or a reasonable interpretation of available data.	Answer does not address the question prompt, is factually incorrect, or is an unreasonable interpretation of available data.
Answer is supported.	Logical rationale is provided to support the given answer.	Logical rationale is not provided to support the given answer.

References

[1] D. E. Holmes, *West Virginia Blue Book 1999*, vol. 81. Charleston, West Virginia: West Virginia Legislature, 1999.
[2] D. E. Holmes, *West Virginia Blue Book 2008*, vol. 90. Charleston, West Virginia: West Virginia Legislature, 2008.
[3] D. E. Holmes, *West Virginia Blue Book 2012*, vol. 90. Charleston, West Virginia: West Virginia Legislature, 2012. Available: *http://www.legis.state.wv.us/legisdocs/2012/bluebook/bluebook2012.pdf*.
[4] "Elections - History & Data," *West Virginia Secretary of State*. Available: *http://www.sos.wv.gov/elections/history/Pages/default.aspx*.
[5] "Campaign Finance Reporting System," *West Virginia Secretary of State*. Available: *http://cfrs.wvsos.com/#/home*.